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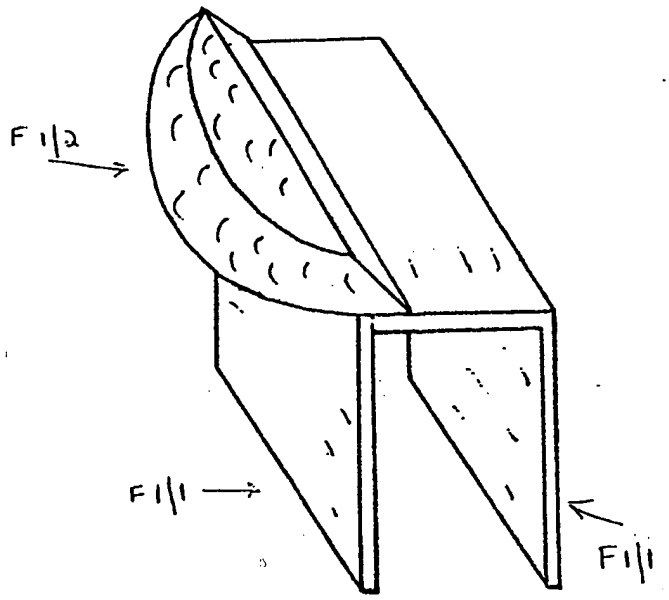
# (54) Door buffer

(57) The door buffer has a U-shaped portion (F1(1) to be placed on the top edge of an internal door, and a curved portion (F1/2) made of a resilient material, which abuts against the door frame or jamb in a shock absorbing way. In a variant (Figure 2, not shown), the U-shaped member is made of two parts which are adjustably joined together by wring nuts, so that the buffer can be used on doors of various thicknesses. The buffer is intended to prevent complete closure of the door.

FIG 1

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The claims were filed later than the filing date within the period prescribed by Rule 25(1) of the Patents Rules 1982.

FIG-1

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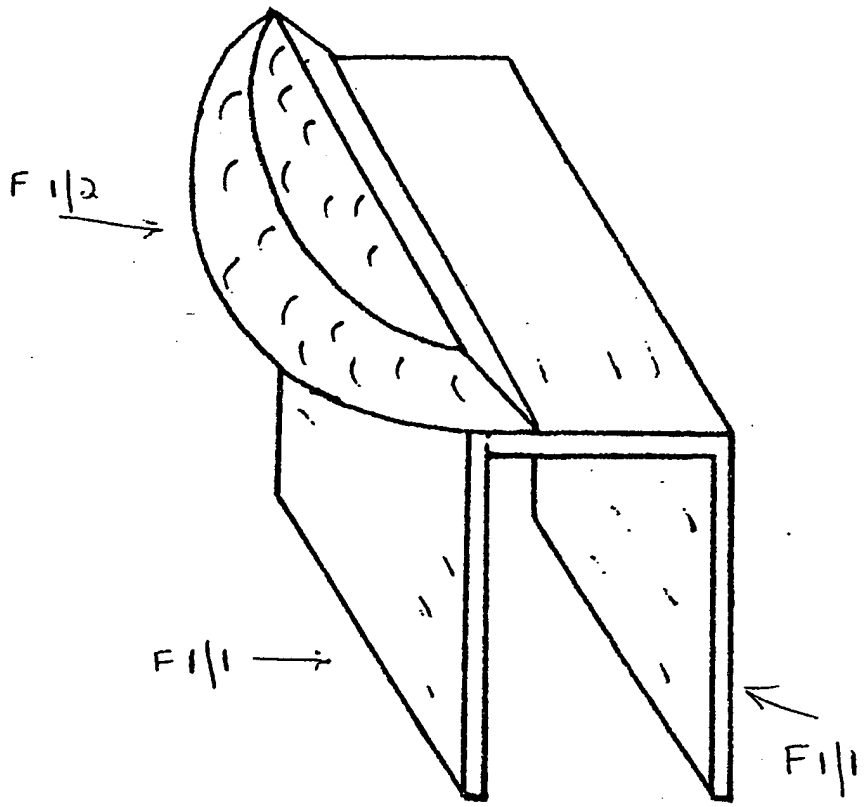
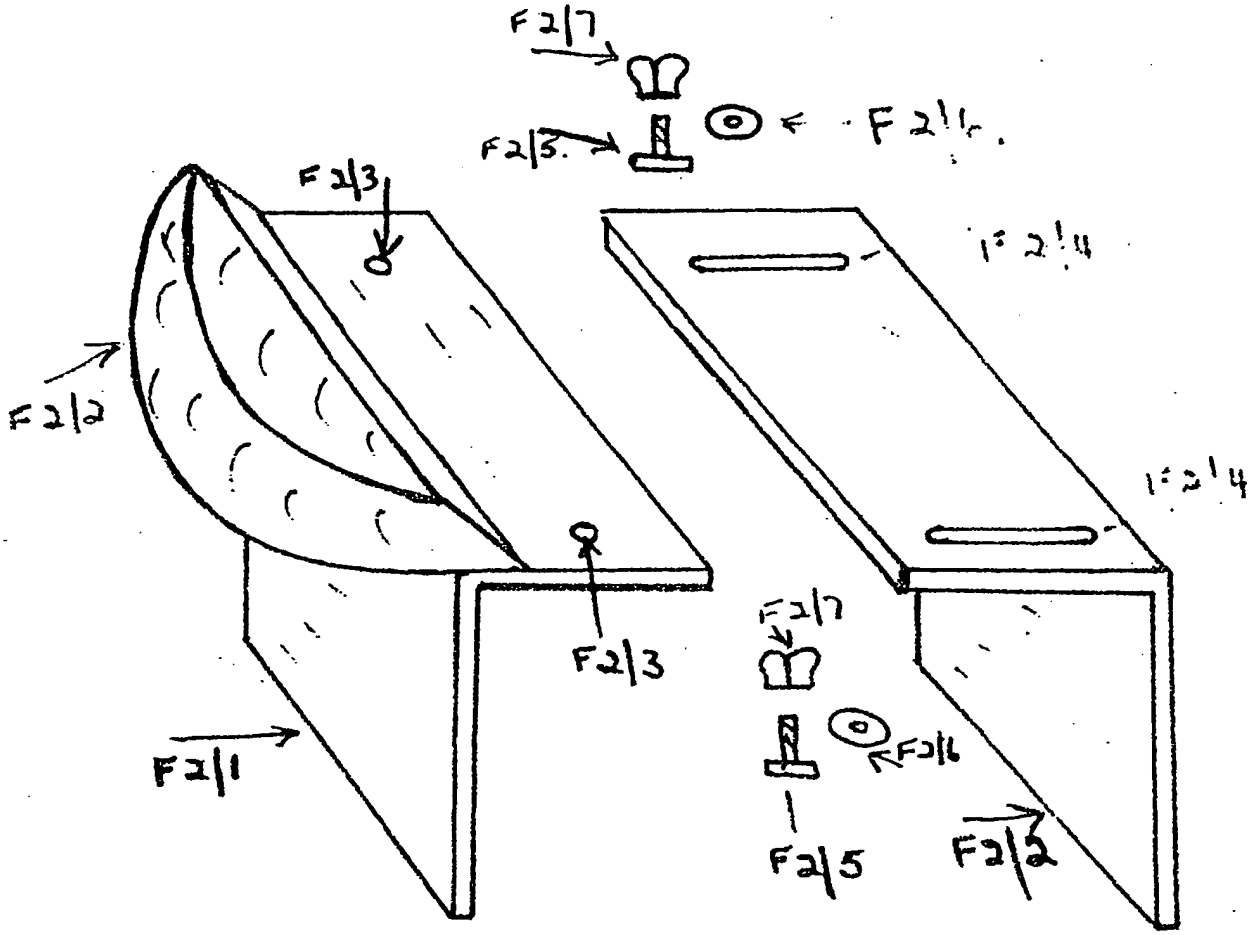
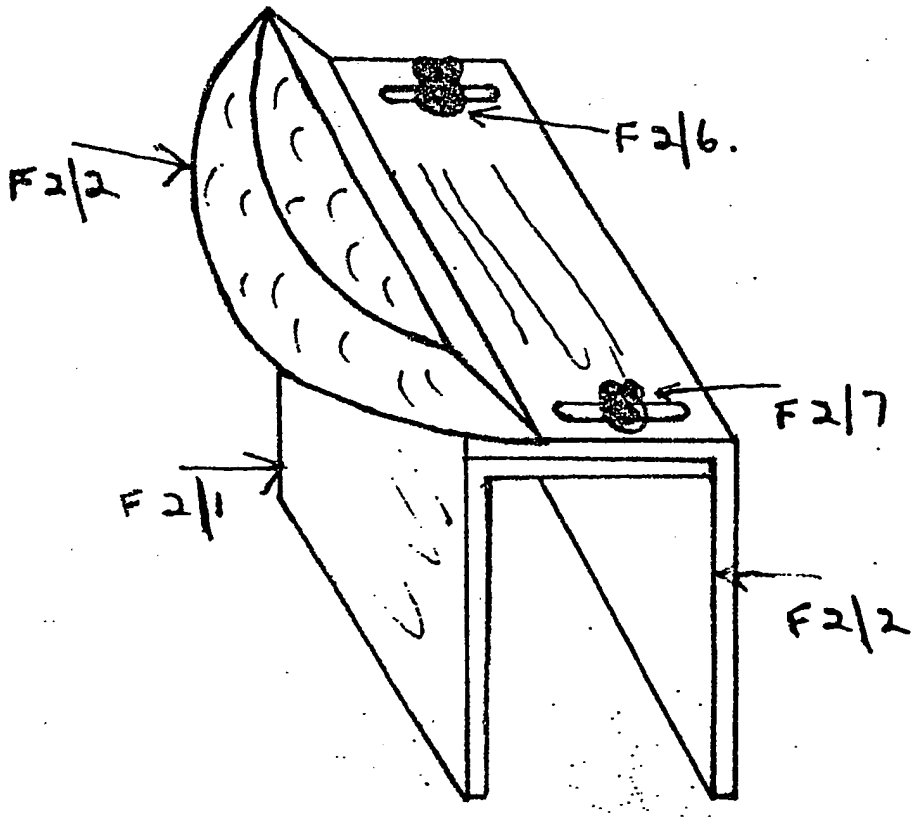



F2/7
F2/3
F2/4
F2/3
F2/2
F2/4
F2/4
F2/7
F2/6
F2/1
F2/5
F2/2


F2/6.
F2/2
F2/7
F2/1
F2/2

SPECIFICATION

**Non-adjustable and adjustable door stop or spacer**

This invention relates to a sliding removable door spacer or door stop, designed to rest across or over the top of an internal left or right hinged door.

F2 relates to an adjustable sliding door stop or spacer.

Door stops are usually fixed to the floor - the hydraulic and spring loaded designs are intended to be door closers.

According to this invention there is the means of allowing the door to remain open to a greater or lesser degree, depending on the position of the door stop or spacer, allowing free access to domestic pets such as cats and dogs and preventing damage to the door and frame caused by clawing and scratching. The door stop or spacer can be instantly removed to enable the door to be closed.

The curved buffer F1/2 acts as a shock absorber against the frame or jamb, being made of a resilient substance or material. Being a sliding door stop or spacer, a gap can be chosen to a fine degree as required and the stop or spacer is instantly removable. One advantage is in keeping the door ajar or oepn without any obstacle blocking access which is an important safety feature.

A specific embodiment of the invention will now be described by way of example with reference to the accompanying drawings in which

*Figure 1*

*F1* Shows in perspective a non-adjustable sliding door stop or spacer, designed to slide over and along the top edge of a standard size thickness/depth internal door.

*F1/1* The body or frame being finished in a resilient material to prevent damage to the door surface.

*F1/2* The buffer is curved and raked to fit left or right hinged doors and is made of resilient substance or material to act as a shock absorber when the door is closed to.

To fit, place F1/1 onto the top of the door with the buffer placed to the door frame or jamb and slide along to required position; this will now prevent the door from closing completely.

*Figure 2*

*F2* Shows in perspective an adjustable sliding door stop or spacer. Refering to the drawing F2/1 is placed beneath F2/2 bolts F2/5 are placed through F2/3 and slot F2/4. The F2/6 washers are placed on bolt F2/5 on top of frame F2/2 and wing nuts F/2/7 screwed onto F/2/5. To adjust the door spacer or stop slot on top of the door closing F2/1 against F2/2 and tightening F2/7 adjusting to fit onto the door. F2/1 and F2/2 are in a soft resilient finish to prevent damage to door surface.

The buffers F1/2 and F2/2 are in a shock absorbent resilient substance or material and are curved and raked to allow use on a left or right hinged door, the rake to assist in closing against the door frame or jamb.

The door stop or spacer:

1. Has the advantage of keeping door ajar, sliding along top of door to any position required.
2. When used to a lesser degree leaves sufficient paw space so that domestic pets can open door for free access.
3. Can eliminate damage to doors and frames caused by pets scratching and clawing.
4. When used to the greater degree allows passage of large objects such as furniture through a doorway.
5. Eliminates propping door open with hazardous objects on the floor.
6. Can easily be removed to enable door to be closed as required.
7. The sliding adjustable door stop or spacer having the added advantage of fitting various thicknesses or depth of doors.

CLAIMS

1. The non-adjustable and adjustable door stop or spacer comprising brackets or the like as shown in Figures 1 & 2. Items F1, F2/1, forming a slot to enable the door stop to fit over the thickness of the top of the door. When the curved buffer shown in Figures 1 & 2 - Items F1/2 and F2/2 is attached to the top of Items F1 and F2/1 (top surface of the door stop) as shown in Figure 1 and Figure 2 forms a buffer between the door and door frame.
2. The non-adjustable and adjustable door stop or spacer or the like as claimed in Claim 1 when fitted prevents the door from being closed.
3. The non-adjustable and adjustable door stop or spacer or the like as claimed in Claims 1 & 2 dependant on the position placed along the width of door increases or decreases the distance ajar between door and frame.
4. The non-adjustable and adjustable door stop or spacer or the like as claimed in Claims 1, 2 & 3 when assembled the slots as shown in F2/6 & 7 provides when the bolt for fixing F2/1 and F2/2 together is located an adjustable size slot to accommodate various door thicknesses.

New claims or amendments to claims filed on 21.5.87

Superseded claims 1-4

New or amended claims:-

1. The adjustable door stop or spacer comprising of two 'L' shaped brackets or the like as shown in Figure 2. Items F2/1 , F2/2 when inverted and assembled together as shown in Figure 2 form an "n" shaped bridge which can be placed in position over the top width of the door thus filling the slot provided on bracket assembly with the door thickness.
2. The adjustable door stop or spacer comprising of the two assembled 'L' shaped brackets as claimed in Item 1 with the addition of the curved buffer shown in Figure 2 Item F2/2, is attached as shown in Figure 1 & 2 to the top of bracket F2/1.
3. The adjustable door stop or spacer comprising of the two 'L' shaped brackets and the curved buffer when assembled as claimed in Items 1 & 2, when fitted in position on the door prevents the door from being closed with the curved buffer acting as a shock

absorber in the event of a door closing action.

4. The adjustable door stop or spacer or the like as claimed in Items 1, 2 & 3, increases or decreases the ajar distance between the door and door frame by its positioning along the width top of the door.

5. The Adjustable door stop or the like as claimed in Items 1, 2, 3 & 4 when assembled with the bolts F2/1 and F2/2, in position in the slots as shown in Figure 2 Items F2/6 & 7 provide the sliding movement action for adjustment to accommodate various door thicknesses. When the door stop width is determined the bolts F2/1 and F2/2 are tightened to ensure its secure positioning and rigidity.

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**US-CL-CURRENT:** 292/262

**ABSTRACT:**

CHG DATE=19990617 STATUS=O> The door buffer has a U-shaped portion (F1(1) to
be placed on the top edge of an internal door, and a curved portion (F1/2) made

**of a resilient material, which abuts against the door frame or jamb in a shock absorbing way. in a variant (Figure 2, not shown), the U-shaped member is made of two parts which are adjustably joined together by wring nuts, so that the buffer can be used on doors of various thicknesses. The buffer is intended to prevent complete closure of the door. <IMAGE>**